

# Impaired Waterbodies 303(d) List and California's 303(d) Listing Policy

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# Presentation Overview

- **303d list**
- **Listing/Delisting Policy**
  - ◆ **Temperature**
- **2008 303(d) list development**

# The 303 (d) List

- Clean Water Act requirement
  - ◆ California Submits to USEPA
- “Impaired” waterbodies or reaches -
  - ◆ not meeting water quality standards
  - ◆ TMDL required
- Updated every “few” years
- Most recently updated in 2006
- Water Boards working on 2008 list

# 303(d) list (continued)

- **2006 303d list**
  - ◆ **Over 300 listings (pollutant – waterbody combinations) in the Central Valley Region**
  - ◆ **Over 2,000 statewide**
  - ◆ **Some listings being addressed by TMDLs or other actions (no TMDL necessary) – *(separate portion of the list in the SWRCB staff report)***
- **Recent listing/delisting decisions documented in fact sheets**
- **TMDL Completion dates are estimates**
- **More detailed evaluation during TMDL development**

# Listing/Delisting Policy

- Required by California Water Code
- Adopted by State Water Board in 2004
  - ◆ 3 year development
  - ◆ used by State Water Board for the 2006 list
- Standardized approach for developing the 303(d) list

# Listing/Delisting Policy

- **Listing and delisting factors**
- **Process for Developing the 303(d) list**
- **TMDL Scheduling**

# Listing/Delisting Policy

- **Listing/Delisting Factors**
  - ◆ **Water Quality Objectives**
    - **Statistical Test (binomial distribution)**
  - ◆ **Other Factors (Health Advisories, Bioaccumulation, Toxicity, Nuisance, etc.)**
  - ◆ **Situation Specific Weight of Evidence Factor**

# Listing/Delisting Policy

- Process for Developing the 303(d) List
  - ◆ All readily available information
  - ◆ Solicitation
  - ◆ Fact sheet preparation
  - ◆ Evaluation guideline selection
  - ◆ Data assessment
  - ◆ Regional and State Water Board action

# Listing/Delisting Policy

- Evaluation guideline selection
  - ◆ For evaluating compliance with narrative water quality objectives.
    - Basin Plan Narrative Temperature Objective  
“The natural receiving water temperature of intrastate waters shall not be altered unless it can be demonstrated to the Regional Water Board that such alteration in temperature does not adversely affect beneficial uses.....”

# Listing/Delisting Policy

- Evaluation guideline selection
  - ◆ For evaluating compliance with narrative water quality objectives
    - Protective of Beneficial Uses
    - Scientifically Based and Peer Reviewed
    - Well-described
    - Above which impacts occur and below which no or few impacts are predicted

# Listing/Delisting Policy

- **6.1.5.9 Evaluation of Temperature Data**
- **Use alternate approaches when historic temperature data not available**
  - ◆ **Temperature requirements of aquatic life**
  - ◆ **Information about sensitive species presence/abundance used to infer historic temperature conditions**
  - ◆ **Approach used by State Board to list the N. Fork Feather River and Willow Creek (Madera County) in 2006**

# 2008 303(d) List Development

- **Data Solicitation December 2006 - February 2007**
- **Currently Assessing Data**
- **Integrated Report**
  - ◆ **305(b) requirements**
- **Regional Board early 2008**
- **State Water Board late 2008**

# Questions?

**For more information**

**<http://www.waterboards.ca.gov>**

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